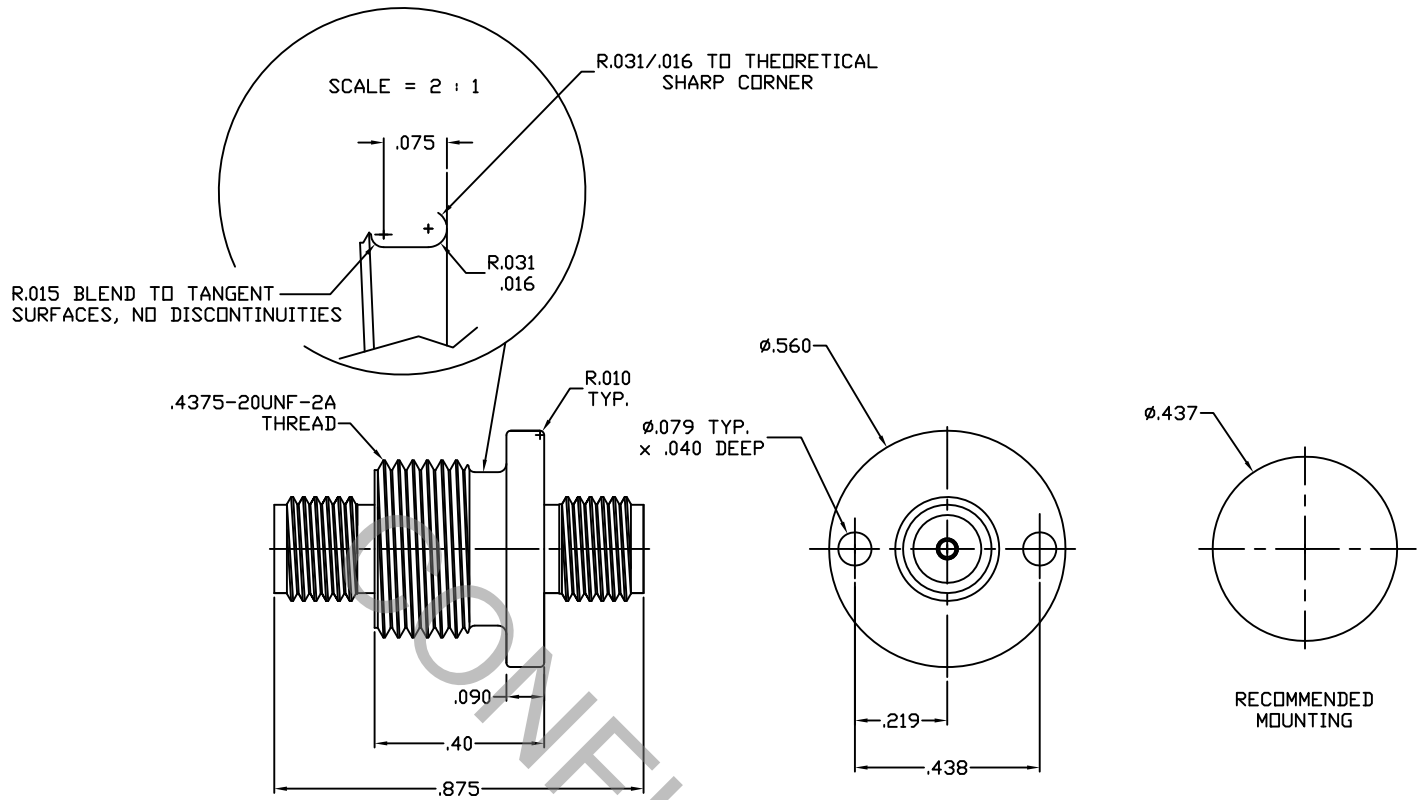


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 310.2 (SMA JACK).


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX) *	_____	1.08 + .025 x FGHz
INSERTION LOSS (dB MAX.)	_____	.125 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	333
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	12.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
AA	15-1637	4/28/15	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030		X ° ± 1° 0'	TITLE SMA JACK TO SMA JACK, HERMETIC BULKHEAD ADAPTER
				.XX ± .010	± 1/64	X ° X' ± 15'	
				.XXX ± .005			
				DRAWN	TS	DATE	4/28/15
				APPROVED	DC	DATE	4/28/15
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 1120-9999-6402
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MIN. AXIAL FORCE _____ 4.0 LBS.
MIN. RADIAL TORQUE _____ N/A
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX. OUNCES) _____ INTERFACE 48.0
● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.
RECOMMENDED MOUNTING TORQUE _____ 17 - 20 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, COND. C (-65° c TO + 165° c)
SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)
VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)
MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b
CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (250 VRMS)
HERMETICITY _____ 1×10^{-8} cc/SEC.

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
CONTACTS _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.
INSULATORS _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.
GLASS _____ CORNING 7070
GLASS PIN _____ KOVAR PER MIL-I-23011

6. FINISH

BODY AND GLASS PIN _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS) (.000010 MIN. THK.)
CONTACTS _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)
INSULATORS _____ N/A